		Application No.	Applicant(s)
Notice of Allowability		10/635,385	HARRIS ET AL.
		Examiner	Art Unit
		Sonny TRINH	2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *application filed 8/06/03*.

2. ☒ The allowed claim(s) is/are *1-44*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☐ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

Allowable Subject Matter

1.   **Claims 1-44** are allowed.

The following is an examiner's statement of reasons for allowance:

The present invention relates to techniques for providing users of client devices with coordinated access to information and/or functionality of multiple types, such as by using multiple types of connections to multiple information services of distinct types that exchange context information related to activities of the users and/or clients. The client devices can be wireless devices with multiple distinct modes such voice and data modes for different types of connections with different types of servers such as voice servers and data servers. In some situations, coordination between different servers allows multiple distinct interaction sessions of different types with different servers to remain synchronized or otherwise coordinated over time as the user performs interactions via the different sessions.

The closest prior art, Hyde-Thomson et al. (hereinafter Hyde-Thomson) (US 6,477,494) shows a communications systems for receiving voice and text messages, automatically identifies a language associated with text messages and selectively providing text-to-speech converted messages and voice messages to users.

Regarding **claim 1**, Hyde-Thomson fails to disclose or suggest "...a method for providing voice-based and text-based functionality to a mobile wireless client computing device from multiple remote servers in a coordinated manner, the client device having a

current user and supporting a data mode for exchanging text-based information with a remote data server system and supporting a voice mode for exchanging voice-based information with a remote voice server system, the method comprising the steps of: under control of the mobile wireless client computing device, establishing a data connection with the data server using the data mode of the client device, and receiving multiple text-based documents from the data server over the established data connection; receiving an indication from the current user of a selection of one of multiple voice-based actions for a selected one of the text-based documents, automatically sending to the data server over the established data connection an indication of the selected document and of the selected action; and without further indication by the client device of the selected action or the selected document, automatically establishing a voice connection with the voice server using the voice mode of the client device and receiving voice-based information from the voice server over the established voice connection to effect the selected voice-based action for the selected text-based document; under control of the remote data server system and after receiving the indication from the client device of the selected text-based document and of the selected voice-based action, automatically sending context information for the current user to the voice server, the context information including an indication of the selected text-based document and of the selected voice-based action; and under control of the remote voice server system and after receiving the context information for the current user from the data server and after the establishment of the voice connection with the client device, identifying that the current user is using the client device; automatically

associating the received context information for the current user with the established

voice connection with the client device; and providing the selected voice-based action

for the selected text-based document to the current user based at least in part on the

associated context information, the providing including automatically sending the voice-

based information to the client device over the established voice connection, so that a

user of a mobile wireless client computing device can automatically receive voice-based

functionality for a selected text-based document based at least in part on context

information for the user that is automatically provided by a data server to a distinct voice

server.

Claims 2-11 are allowed by virtue of their dependency on claim 1.

Regarding **claim 12**, Hyde-Thomson fails to show a method for providing

functionality from a voice server system and a data server system in a coordinated

manner, the voice server system able to exchange voice-based information with

multiple client devices using a voice transmission protocol designed for transmitting

voice-based data, the data server system able to exchange text-based information with

multiple client devices using a distinct data transmission protocol, the method

comprising, under control of the data server system: providing multiple predefined text-

based groups of information to a client device, the providing part of a data session with

the client device using the data transmission protocol; receiving from the client device

an indication of one of the text-based groups of information and an indication of one of

multiple voice-based types of functionality related to the indicated text-based group of

information, the receiving part of the data session; and automatically providing to the

voice server system context information that includes an indication of the indicated text-based group of information and of the indicated voice-based type of functionality, so that the voice server system can automatically provide the indicated voice-based type of functionality for the indicated text-based group of information as part of a voice session with the client device using the voice transmission protocol.

Claims 13-31 are allowed by virtue of their dependency on claim 12.

Regarding **claim 32**, Hyde-Thomson fails to show a computer-readable medium whose contents cause a server computing device of a first type to provide functionality in a coordinated manner from one or more other servers, communications between the server computing device of the first type and one or more clients occurring in a distinct manner than communications between the other servers and one or more clients, the providing of the functionality under control of the server computing device by performing a method comprising: receiving from a client an indication of a group of information indicated by a user and an indication of a selected functionality related to the indicated group of information, the receiving of the information based on a first manner of communication between the client and the server computing device, the selected functionality available from one or more of the other servers when a client communicates with at least one of those other servers in a second manner that is associated with the selected functionality and that is distinct from the first manner of communication; and automatically providing context information to at least one of the one or more other servers that includes an indication of the indicated group of information and of the selected functionality, so that the one or more other servers can

automatically provide the selected functionality for the indicated group of information when a client of the user and those other servers communicate in the distinct second manner of communication associated with the selected functionality.

Claims 33-40 are allowed by virtue of their dependency on claim 32.

Regarding **claim 41**, Hyde-Thomson fails to disclose a computing system for providing functionality in a coordinated manner from multiple servers of distinct types, comprising a voice server that is capable of exchanging voice-based information with client devices using a voice-based transmission protocol; a data server that is capable of exchanging non-voice-based information with client devices using a data-based transmission protocol; and a context provider component that is capable of at least one of:

A) after the data server has received an indication from a client device using the data-based transmission protocol of a selected type of functionality that is available from the voice server using the voice-based transmission protocol, providing information to the voice server indicating the selected type of functionality and at least one of the client device and a user of the client device, the information provided to the voice server enabling the voice server to automatically provide the selected type of functionality using the voice-based transmission protocol without the client device and/or the user having to further indicate the selected type of functionality to the voice server; and

B) after the voice server has received an indication from a client device using the voice-based transmission protocol of a selected type of functionality that is available from the data server using the data-based transmission protocol, providing information

to the data server indicating the selected type of functionality and at least one of the client device and a user of the client device, the information provided to the data server enabling the data server to automatically provide the selected type of functionality using the data-based transmission protocol without the client device or the user having to further indicate the selected type of functionality to the data server.

Claim 42 is allowed by virtue of their dependency on claim 41.

Regarding **claim 43**, Hyde-Thomson fails to disclose a computing system for providing functionality in a coordinated manner from a voice server and a data server, the voice server capable of exchanging voice-based information with clients using a voice transmission protocol, the data server capable of exchanging other types of information with clients using a distinct data transmission protocol, comprising means for, after one of the servers has provided information to a client using the transmission protocol for that server, receiving from the client using that transmission protocol an indication of a selected type of functionality related to the information, the selected functionality type available from the other server using the transmission protocol for that other server; and means for automatically providing context information to that other server that includes an indication of the selected type of functionality and of the related information and of an identifier associated with the client, so that the other server can automatically provide to the client the selected type of functionality for the related information using the transmission protocol for that other server.

Regarding **claim 44**, Hyde-Thomson fails to disclose a method for providing information to client devices from a voice server system and a data server system in a

coordinated manner, the voice server capable of exchanging voice-based information

with client devices using a voice mode, the data server capable of exchanging text-

based information with client devices using a distinct data mode, the method comprising

under control of the data server, repeatedly, exchanging text-based information as part

of a data session with a client device of a user using the data mode; providing

information to the voice server that indicates at least some of the exchanged text-based

information; receiving information from the voice server that indicates voice-based

information exchanged by the voice server with a client device of the user using the

voice mode as part of a simultaneous voice session; and selecting additional text-based

information to be provided as part of the data session with the client device using the

data mode, the selecting based at least in part on the received information from the

voice server; and under control of the voice server, repeatedly, exchanging voice-based

information as part of the voice session with the client device of the user using the voice

mode; providing information to the data server that indicates at least some of the

exchanged voice-based information; receiving information from the data server that

indicates text-based information exchanged by the data server with the client device

using the data mode as part of the data session; and selecting additional voice-based

information to be provided as part of the voice session with the client device using the

voice mode, the selecting based at least in part on the received information from the

data server.

Conclusion

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sonny TRINH whose telephone number is 571-272-7927. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward URBAN can be reached on 571-272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

3/12/07

SONNY TRINH
PRIMARY EXAMINER